

Preservation Workshops

# Brick Earth Stone Timber

# 2022

Historic Preservation  
Training Center

.....  
National Park Service



# Frequently Asked Questions

## What is the BEST Preservation Workshop Series?

The BEST Preservation Workshop Series trains NPS employees at all levels in the preservation of traditionally built historic resources using problem-based and hands-on learning. Participants should be prepared to think critically, make mistakes, and experiment – both physically and mentally – with materials and concepts at the workshop.

## Who can take a course?

Workshops are open to anyone who is interested: federal, state, and local government employees; private sector contractors, consultants, architects, and design professionals; students; nonprofit employees; and homeowners.

## What is the cost per course?

Tuition costs vary between workshops. See individual workshop page for tuition. You are not enrolled in a workshop until you have paid tuition. Because workshops fill up fast, we encourage you to register as soon as possible. Refunds are available up to 30 days before the workshop.

## Who do I talk to about an accommodation?

If you are a person with a disability and you need accommodations, please contact us at least 3 weeks before the workshops at [BEST\\_preservation@nps.gov](mailto:BEST_preservation@nps.gov) or (307) 739-3571.

## Is there lodging at White Grass Dude Ranch?

Workshops in Grand Teton National Park include an option for no cost lodging at White Grass, a rehabilitated historic dude ranch that serves as our training facility in the park. Rooms are on a first-come, first-served basis. Lodging for 2022 workshops will be single room occupancy only. Full vaccination is required for any trainees staying at White Grass.

## Program Sponsors and Supporters



**PRESERVATION  
MARYLAND**



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MONTANA**

# Course Progression

BEST Preservation Workshops build upon one another, following the natural progression of a historic preservation project. Illustrated below, this structure identifies major categories that take a project from concept to reality, and from design to implementation.

I

## Inquiry

Workshops cover the basics of historic preservation and are strongly recommended for all students before taking more advanced courses.

D&I

## Documentation & Investigation

Documentation workshops focus on researching historic resources and recording existing conditions in the field. Investigation workshops teach problem-solving strategies for defining deterioration problems and quantifying their potential impact.

T

## Treatment

Workshops cover the construction strategies, condition assessment, treatment, and conservation science of major building materials. Treatment workshops are hands-on and split between the field and the classroom.

M

## Maintenance

Workshops introduce students to methods and best practices for continued stewardship of historic resources after preservation, including how to evaluate treatments, write and follow maintenance plans, and bring historic resources into asset management programs.

# Workshops and Trainings

Course Title	Location	Dates
Inquiry		
Guiding Principles for Field-Based Historic Preservation	Fort Vancouver National Historic Site	May 17–19
	Grand Teton National Park	June 1–3
Documentation and Investigation		
Creating & Using Oral Histories in the Preservation of Historic Resources	Grand Teton National Park	August 9–11
Thinking Through Water, Air, and Temperature Issues in Historic Structures	Grand Teton National Park	August 23–26
Basic Preservation Engineering & Stabilization for Wood Structures	Pinnacles National Park	November 1–3
Treatment		
Intermediate Historic Wood Window Preservation & Repair	Yellowstone National Park	April 18–22
International Workshop on the Conservation and Restoration of Earthen Architecture (TICRAT) and Terra: 13th World Congress of Earthen Architectural Heritage	New Mexico	TICRAT: June 3–6
		Terra: June 7–10
Historic Masonry Preservation & Repair	Lowell National Historical Park	June 13–17
Beginning Historic Wood Window Preservation	Grand Teton National Park	June 27– July 1

# Workshops and Trainings

Course Title	Location	Dates
Treatment		
Wood & Log Preservation & Repair	Grand Teton National Park	July 25–29
Traditional Finishes: Purified Linseed Oil	San Francisco Maritime National Historical Park	October 18–20
Maintenance		
Asset Management for Historic Structures	Grand Teton National Park	September 12–15
Integrated Pest Management for Cultural Resources	Death Valley National Park	November 14–16



# COVID-19 Information

All BEST workshops will be held in accordance with current CDC, Department of the Interior, and National Park Service guidelines concerning the COVID-19 pandemic. If you are a federal employee, it is your responsibility to review official agency guidelines regarding travel and communicate with your supervisor accordingly before registering for this workshop.

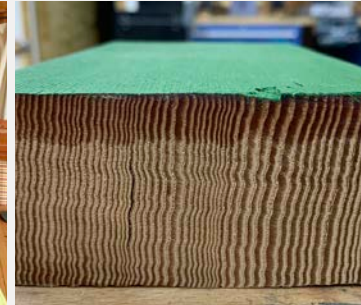
NPS guidance dated to January 2022 state that full vaccination is required for NPS employees traveling for non-mission critical events, such as BEST workshops. Full vaccination is required for lodging at White Grass, regardless of affiliation and travel policy. Those staying at White Grass will need to submit proof of vaccination.

## Registration

To register for a session, visit: <https://forms.gle/P2HJFdSg8qLm2y8HA>

## Questions

Brick Earth Stone and Timber (BEST) Workshops  
[BEST\\_Preservation@nps.gov](mailto:BEST_Preservation@nps.gov)







# Guiding Principles for Field-Based Historic Preservation

Fort Vancouver National Historic Site  
Grand Teton National Park

May 17–19  
June 1–3

## Instructors

<b>Charlie Pepper</b>	<i>NPS Emeritus, Program Manager, Olmstead Center for Landscape Preservation</i>	<b>Julie McGilvray</b>	<i>Program Manager, Preservation Services &amp; Regional Historical Landscape Architect</i>
<b>Lisa Sasser</b>	<i>NPS Emeritus, Regional Facility Management Specialist, Northeast Regional Office</i>	<b>Grant Cosby</b>	<i>Historical Architect, Alaska Regional Office</i>
<b>Blaise Davi</b>	<i>NPS Emeritus, Program Manager, Northeast Regional Office</i>	<b>Craig Chenevert</b>	<i>Historical Architect, Historic Preservation Training Center</i>

Offered in partnership with Stephen T. Mather Training Center, this workshop engages participants in building knowledge and applying historic preservation concepts to the stewardship of cultural resources. This course is ideal for field personnel who work directly on historic structures and/or cultural landscapes and seek to feel more empowered when making historic preservation treatment decisions. Through interactive classroom and field-based sessions, discussion, and problem-solving activities, participants will explore how preservation treatment decisions are developed and implemented within the framework of national standards and guidelines. Participants will consider how and why work performed in the field is critical to retaining historically significant places and will make direct and relevant connections between hands-on fieldwork and fundamental historic preservation concepts. The workshop culminates in a full-day field case-study evaluating a historic property and developing treatment recommendations.

## Tuition for the class at FOVA

\$350	General participant
\$50	Student
\$0	FOVA employees

## Tuition for the class at GRTE

\$500	General participant
\$50	Student
\$25	GRTE employees



# Creating and Using Oral Histories in the Preservation Of Historic Resources

Grand Teton National Park August 9–11

## Instructors

**LuAnn Jones** *PhD, Staff Historian  
NPS Park History Program*

**Brenna Lissoway** *MA, DAS, Archivist  
Chaco Cultural National Historical Park*

**Bridgette Guild** *Museum Curator, Archives Manager, & Tribal Liaison  
Grand Teton National Park*

In this course participants learn how to effectively plan and implement all phases of an oral history project. Using case studies and classroom presentations, participants will gain the tools they need to gather reliable historic information using the spoken word. During the first two days of the workshop, students focus on best practices for how to effectively prepare for an in-person oral interview. Working in small groups on the final day of the workshop, trainees conduct full interviews with retired and long-time NPS employees, whose interviews will be added to the Grand Teton National Park archives. Post-interview, students receive instruction on the processing and archiving of oral history materials for future use, ending the workshop with packaging their interviews as a final product that can be turned over to the park.

## Tuition

\$500 General participant  
\$50 Student (at least half time in an accredited institution)  
\$25 Grand Teton National Park employees





# Thinking Through Water, Air, And Temperature Issues in Historic Structures

Grand Teton National Park August 23–26

## Instructor

William A Turner *MS, PE, LEED AP, CEO*  
*Turner Building Science & Design LLC*

The interaction between air flow, water vapor, liquid water, and heat (or lack of heat) in and around a historic building directly relate to its longevity, performance, and comfort. When these interactions are altered through a change in materials, use, or design, unintended damage can result. In Water, Air, and Temperature Issues, students explore and experiment with how these three elements behave and influence each other in historic structures and how to manage them to maintain the health and use of buildings. Through discussion, labs, field exercises, and case studies, participants identify building deterioration as a function of water, air, and heat movement; solve problems caused by misguided treatments; and evaluate options for retrofit in keeping with NPS preservation standards. Participants are encouraged to bring air, water, and heat issues from their home regions for discussion and group problem solving.

## Tuition

- \$500 General participant
- \$50 Student (at least half time in an accredited institution)
- \$25 Grand Teton National Park employees



# Basic Preservation Engineering and Stabilization for Wood Structures

Pinnacles National Park November 1–3

## Instructors

Christine Britton *Project Engineer  
JVA Engineering*

Timothy Babalis *Cultural Resources Program Manager  
Pinnacles National Park*

Basic Preservation Engineering introduces students to beginning preservation engineering concepts as they relate to vernacular wood structures. Using the historic Bacon Barn and Bear Valley School in Pinnacles National Park as case studies and field sites, students will analyze real structural problems and design appropriate stabilization measures with the help of a preservation engineer, expert craftsperson, and park historian. For the first part of the workshop, students will learn how historic wood structures function as systems, carry and distribute load, and deteriorate over time. The second half will focus on the project planning process, including how to identify and test underlying causes of building failure, collaborate with park divisions and outside professional services, and choose sensitive stabilization measures.

## Tuition

\$350 General participant  
\$50 Student (at least half time in an accredited institution)  
\$25 Pinnacles National Park employees







# Intermediate Historic Wood Window Preservation

Yellowstone National Park April 18–22

## Instructors

Mary Webb

*Restoration Director  
Preserve Montana*

Erin Gibbs

*Program Manager, BEST Preservation Workshops  
Historic Preservation Training Center*

Students attending Intermediate Historic Wood Window Preservation will learn the basics of Dutchman repairs and sash component replacement, as well as practice the more basic elements of window preservation, such as stripping paint, glazing, glass cutting, and painting with purified linseed oil paint. Like Beginning Wood Window Preservation, students will discuss the reasons for preserving historic wood windows rather than replacement, what options exist for increasing historic window energy efficiency, and how to apply the Secretary of the Interior's Standards to window projects. This workshop is offered in partnership with Preserve Montana.

## Tuition

- \$350 General participant
- \$50 Student (at least half time in an accredited institution)
- \$25 Yellowstone National Park employees



## International Workshop on the Conservation and Restoration of Earth Architecture (TICRAT) and Terra: 13th World Congress of Earthen Architectural Heritage

New Mexico June 3–6 and June 7–10

The International Workshop on the Conservation and Restoration of Earthen Architecture (known by its Spanish acronym TICRAT) is a partnership between the U.S. National Park Service and its Mexican counterpart, the Instituto Nacional de Antropología e Historia (INAH). The Vanishing Treasures Program, University of Arizona, University of New Mexico, and Cornerstones Community Partnerships partner to offer this three-day workshop.

TICRAT includes presentations, hands-on workshops, and field trips focused on techniques and strategies for conserving and restoring earthen architecture such as adobe brickmaking, building condition assessment, adobe wall repair, and mud plastering.

Terra 2022 World Congress on Earthen Architectural Heritage is the thirteenth international congress organized by the earthen architecture community and with the support of the International Council of Monuments and Sites (ICOMOS).

The four-day program will include presentations, posters and digital media that reflect the latest research and best practice in the study and conservation of earthen heritage. The program will include sessions presenting technical information, management issues, methodology, advances in research, case studies and guidelines for best practice.

For more information and to register, visit:

- TICRAT: <https://saap.unm.edu>
- TERRA: [www.terra2022.org](http://www.terra2022.org)





# Historic Masonry Preservation & Repair

Lowell National Historical Park June 13–17

## Instructors

**Moss Rudley** *Superintendent  
Historic Preservation Training Center*

**Mike Weibush** *Mason  
Historic Preservation Training Center*

Historic masonry buildings are relatively simple construction systems, but their preservation requires a sound understanding of stone, brick, and mortars, their weathering, and how they function together as a system. Students attending Historic Masonry Preservation and Repair will learn about these concepts and pair them with hands-on practice completing simple masonry repairs that involve matching and mixing mortars, repointing mortar joints, and stabilizing courses. In addition to learning about basic conservation science for masonry materials, students will also discuss and experiment with conducting conditions surveys, diagnosing root causes of deterioration, and determining treatment options in keeping with NPS preservation standards.

## Tuition

\$350 General participant  
\$50 Student (at least half time in an accredited institution)  
\$25 Lowell National Historical Park employees



# Beginning Historic Wood Windows Preservation

Grand Teton National Park June 27–July 1

## Instructors

Tim Green

*Lead Preservation Craft Trainer  
Historic Preservation Training Center*

Erin Gibbs

*Program Manager, BEST Preservation Workshops  
Historic Preservation Training Center*

In Beginning Historic Wood Window Preservation, participants are introduced to the basics of window preservation, including documenting condition, stripping paint, preparing weathered wood, back-bedding and glazing, glass cutting, and painting. Trainees will also learn about and practice using purified linseed oil products as a treatment system for glazing and painting wood windows. To compliment hands-on work, students will participate in discussions on why we preserve historic windows; options for increasing historic windows' energy efficiency; and how to apply the Secretary of the Interior's Standards for the Treatment of Historic Properties to window projects.

## Tuition

\$500 General participant

\$50 Student (at least half time in an accredited institution)

\$25 Grand Teton National Park employees





# Wood and Log Preservation and Repair

Grand Teton National Park July 25–29

## Instructors

Ron Anthony

*President and Wood Scientist  
Anthony & Associates*

Tim Green

*Lead Preservation Craft Trainer  
Historic Preservation Training Center*

Log structures are some of the most versatile, enduring, and widespread resources found in the United States. The five-day Wood and Log Preservation and Repair workshop covers basic wood science and beginner log repair techniques to prepare trainees to care for these important buildings. Using the White Grass Dude Ranch as a laboratory, students will start the workshop studying the basics of wood structure and deterioration. Trainees will then practice field investigation, condition assessment, and identification of root causes of deterioration in the field at a historic cabin. The second half of the week is focused on using traditional tools to scribe, saddle notch, and flatten logs – the basic techniques used in a variety of log repairs. Trainees can expect additional group discussions that explore historic log construction, project planning, and finishes.

## Tuition

- \$500 General participant
- \$50 Student (at least half time in an accredited institution)
- \$25 Grand Teton National Park employees



# Traditional Finishes: Purified Linseed Oil

San Francisco Maritime National Historical Park    October 18–20

## Instructors

**Katherine Wonson** *Preservation Training and Education Director  
Historic Preservation Training Center*

**Erin Gibbs** *Program Manager, BEST Preservation Workshops  
Historic Preservation Training Center*

Purified, or degummed, linseed oil is enjoying a renaissance as a finish for wood preservation, but its application and suitability for preservation projects require understanding its behavior and application for it to be effective. Students attending Traditional Finishes: Purified Linseed Oil will learn the basic properties and application procedures of degummed linseed oil products and pine tar, including raw and boiled linseed oil, and linseed oil paint and glazing putty. Through discussion and practice applying these materials, students will explore how they can be used as a system to protect exterior historic wood resources, including windows. Trainees will also learn about the differences between purified linseed oil systems and modern water-borne latex and acrylic paints commonly used in painting projects, as well as the factors required to consider prior to using linseed oil in preservation projects.

## Tuition

- \$350 General participant
- \$50 Student (at least half time in an accredited institution)
- \$25 San Francisco Maritime National Historical Park employees



# Asset Management for Historic Structures

Grand Teton National Park September 12–15

## Instructors

**Christy McCormick** *Senior Program Manager  
Eppley Institute for Parks and Public Lands*

**Sandy Pusey** *Training Team Lead  
Park Facility Management Division*

**David Reus** *Facility Management Systems Specialist  
Grand Teton National Park*

Students in Asset Management for Historic Structures will learn to apply best practices of both facility management and cultural resources to historic landscapes and structures. Through a digital learning laboratory and practical application, students will develop a shared understanding of how these two approaches work together to effectively manage historic resources. Learners will be in the classroom for twelve hours to prepare for field work and a presentation of their findings. The remaining time will be spent in the field evaluating a historic structure and developing a maintenance plan that adheres to the principles of cultural resources and to the Asset Management Process, culminating with a final group presentation to the rest of the class. Students will complete an online component prior to the workshop that includes two e-courses and preparation for an informal presentation to be given at the start of the workshop.

## Tuition

- \$500 General participant
- \$50 Student (at least half time in an accredited institution)
- \$25 Grand Teton National Park employees



# Integrated Pest Management for Cultural Resources

Death Valley National Park November 14–16

## Instructors

James Howard

*Integrated Pest Management Physical Scientist  
NPS – Biological Resources Division*

John Nelson

*Supervisory Entomologist  
USFS – Rocky Mountain Region*

During Integrated Pest Management (IPM) for Cultural Resources, students learn how to maintain historic resources in a way that both addresses pest issues as well as follows the Secretary of the Interior's Standards for the Treatment of Historic Properties. Using resources in Death Valley National Park as case studies, participants will practice the inspection and diagnostic processes best suited for determining what pests are present and the extent of infestation. Trainees and instructors will discuss specific safety and mitigation measures for pests common in desert ecosystems, options for exclusion that are sensitive to historic integrity, and how to integrate IPM into maintenance and monitoring plans.

## Tuition

\$350 General participant

\$50 Student (at least half time in an accredited institution)

\$25 Death Valley National Park employees







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